

Title (en)
Linear vibration feeder

Title (de)
Vibrationslinearförderer

Title (fr)
Convoyeur linéaire de vibrations

Publication
EP 2011751 A3 20090826 (DE)

Application
EP 08009883 A 20080530

Priority
DE 102007031640 A 20070706

Abstract (en)
[origin: EP2011751A2] The conveyor (1) has a utility weight (4) and a counterweight (3) vibrantly moving in opposing directions via a drive unit (14). A fastening unit e.g. threaded bore, is positioned on the drive unit for being connected to a fastening unit e.g. receiving passage (20), arranged on the utility weight and on the counterweight, where the drive unit is arranged in a receiving chamber (13) below the utility weight. The counterweight and the utility weight are connected at ends to a base plate via spring elements.

IPC 8 full level
B65G 27/30 (2006.01); **B65G 27/24** (2006.01)

CPC (source: EP US)
B65G 27/24 (2013.01 - EP US); **B65G 27/30** (2013.01 - EP US)

Citation (search report)
• [A] JP H0351210 A 19910305 - TOSHIBA CORP
• [A] EP 1731451 A1 20061213 - KRELL HELMUT [DE]

Cited by
EP4286301A4; DE102009004990A1; EP2208693A3

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
EP 2011751 A2 20090107; EP 2011751 A3 20090826; EP 2011751 B1 20110720; AT E517050 T1 20110815; CA 2636171 A1 20090106; CA 2636171 C 20111206; DE 202008012759 U1 20090108; DK 2011751 T3 20111024; US 2009008221 A1 20090108; US 7784604 B2 20100831

DOCDB simple family (application)
EP 08009883 A 20080530; AT 08009883 T 20080530; CA 2636171 A 20080625; DE 202008012759 U 20080530; DK 08009883 T 20080530; US 15764208 A 20080612